

Amendment to the Specification:

Please amend the paragraph beginning on Line 68 on page 2 and continuing on page 3 as follows:

The thermodynamic cycle of the present invention, applied to an ammonia-water working fluid mixture, is described on a Temperature-Entropy diagram in Fig. 6 and displays high-pressure line 65 and low-pressure line 69 overlayed on saturation dome 60 of said working fluid. The simplest arrangement of equipment necessary to operate the cycle of [[Fig. 4]] Fig. 6 is described in Fig. 2. Feedpump 30 increases said working fluid pressure 69 and temperature 1 to pressure 65 and temperature 2. Said working fluid leaves feedpump 30 as a liquid and is directed into the first thermal side of heater 33. Heater 33 has said first thermal side separated from a second thermal side such that heat only is transferred between said first thermal side and said second thermal side. A second fluid enters said second thermal side of heater 33 at temperature 16; such temperature 16 being greater than desired said working fluid temperature 7. Said second fluid cools to heater 33 outlet temperature 17; such temperature 17 being greater than temperature 2 of said working fluid. While passing through heater 33, said working fluid heats as a liquid from temperature 2 to bubble point 3, vaporizes to the dew point 6 and heats as a vapour to temperature 7. It is an aspect of this invention that temperature 17 of said second fluid may be less than dew point temperature 6 of said working fluid by using a counter-flow heat exchanger as heater 33.